

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:)
)
Filing Date:)
)
Applicant(s): Guoming G. ZHU et al.)
)
Group Art Unit:)
)
Title: METHODS OF DIAGNOSING)
OPEN-SECONDARY WINDING)
OF AN IGNITION COIL USING)
THE IONIZATION CURRENT)
SIGNAL)
)
Attorney Docket: 46107-0091)

INFORMATION DISCLOSURE STATEMENT

Commissioner For Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, the references listed on the enclosed Form PTO-1449 are submitted for consideration by the Examiner in the examination of the above-identified patent application.

The full consideration of the references in their entirety by the Examiner is respectfully requested and encouraged. Also, it is respectfully requested that the references be entered into the record of the present application and that the Examiner place his or her initials in the appropriate area on the enclosed Form PTO-1449, thereby indicating the Examiner's consideration of each of the references.

The submission of the references listed on the Form PTO-1449 is for the purpose of providing a complete record and is not a concession that the references listed thereon are prior art to the invention claimed in the patent application.

Further, the submission of the references is not to be taken as a concession that any reference represents art that is relevant or analogous to the claimed invention. Accordingly, the right to argue that any reference is not properly within the scope of prior art relevant to an examination of the claims in the above-identified application is also expressly reserved.

The Information Disclosure Statement is being filed:

- ☒ (a) within three months of the filing date of the patent application, (b) within three months of the date of entry into the national stage as set forth in 37 C.F.R. § 1.491 of the international application, or (c) before the mailing date of a first Office Action on the merits.
- ☐ **after** (a), (b), or (c) above, but before the mailing date of a final action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, and includes:
 - ☐ the Certification under 37 C.F.R. § 1.97(e) (see “Certification” below).
 - ☐ the fee of \$240 set forth in 37 C.F.R. § 1.17(p) (see “Fees” below).
- ☐ **after** the mailing date of a final action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, and includes the Certification under 37 C.F.R. § 1.97(e) (see “Certification” below), a Petition requesting consideration of the Information Disclosure Statement (see “Petition” below), and the Petition Fee set forth in 37 C.F.R. § 1.17(i) (see “Fees” below).

Copies Of The References

- ☒ Copies of the references (other than cited U.S. Patents and published U.S. Patent Applications) listed on the enclosed Form PTO-1449 are enclosed herewith. Attached to each reference not in the English language is a concise explanation of the relevance pursuant to 37 C.F.R. § 1.98(a)(3).
- ☐ A copy of the foreign search report is enclosed herewith.
- ☐ The references listed on the enclosed Form PTO-1449 were previously identified in the parent application(s) of the present application, and copies of the references were furnished at that time. Accordingly, additional copies of the references are not submitted herewith, so as not to burden the file with duplicate copies of references. The Examiner is respectfully requested to carefully review the references in accordance with the requirements set out in the Manual of Patent Examining Procedure. In accordance with 37 C.F.R. § 1.98(d), the details of the parent application(s) relied upon for an earlier filing date under 35 U.S.C. § 120 in which copies of the references were previously furnished are set out below:

In re Appln. of Guoming G. ZHU et al.
Attorney Docket: 46107-0091

U.S. APPLICATIONS		Status (<i>check one</i>)		
U.S. APPLICATIONS	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
1. 0 /				
2. 0 /				
3. 0 /				

Other Applications

- ☒ The Examiner's attention is directed to the following U.S. patent application(s) (submitted herewith is a copy of each application specification including the claims, and any drawing of the application, or that portion of each application which caused it to be listed including any claims directed to that portion):

U.S. APPLICATIONS		Status (<i>check one</i>)		
U.S. APPLICATIONS	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
1. 10 /458,716	June 11, 2003		√	
2. 0 /				
3. 0 /				

Certification

- ☐ The **undersigned attorney** hereby certifies that each item of information contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of the Information Disclosure Statement.
- ☐ The **undersigned attorney** hereby certifies that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application or, to the knowledge of the attorney signing after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

In re Appln. of Guoming G. ZHU et al.
Attorney Docket: 46107-0091

Petition

- ☐ The undersigned attorney hereby petitions the Commissioner to consider this Information Disclosure Statement and the references listed on the enclosed Form PTO-1449 in the examination of the above-identified patent application.

Fees

- ☒ No fee is owed by the applicant(s).

Authorization To Charge Additional Fees

- ☒ If any additional fees are owed in connection with this communication, please charge Deposit Account No. 04-1061.

Respectfully submitted,

DICKINSON WRIGHT PLLC

Date: September 5, 2003

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DAM/LJM:llw

DC 46107-91 86858v02

U.S. PATENT DOCUMENTS

FORM PTO-1449 INFORMATION DISCLOSURE CITATION (modified)		Atty Docket: 46107-0091		Serial No.			
		Applicant: Guoming G. ZHU et al.					
		Filing Date:			Group:		
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub- Class	Filing Date
		4,648,367	03/1987	Gillbrand et al.			
		4,903,676	02/1990	Gillbrand et al.			
		5,054,461	10/1991	Deutsch et al.			
		5,207,200	05/1993	Iwata			
		5,392,641	02/1995	McCombie			
		5,397,964	03/1995	Edwards			
		5,483,818	01/1996	Brandt et al.			
		5,495,757	03/1996	Atanasyan et al.			
		5,510,715	03/1996	Takeuchi			
E		5,534,781	07/1996	Lee et al.			
		5,563,515	10/1996	Kako			
		5,602,332	02/1997	Pyko			
		5,623,209	03/1997	Lepley et al.			
		5,672,972	09/1997	McCoy et al.			
		5,753,804	05/1998	La Palm et al.			
		5,778,855	07/1998	Czekala et al.			
		5,824,890	10/1998	La Palm et al.			
		5,861,551	01/1999	Morita et al.			
		6,029,631	02/2000	Jiewertz et al.			
		6,054,859	04/2000	Takahashi et al.			
E		6,092,015	07/2000	Takahashi et al.			
		6,104,195	08/2000	Yoshinaga et al.			
		6,123,057	09/2000	Goras et al.			
		6,186,129 B1	02/2001	Butler, Jr.			

Examiner:	Date Considered:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	

FORM PTO-1449 INFORMATION DISCLOSURE CITATION (modified)	Atty Docket: 46107-0091	Serial No.
	Applicant: Guoming G. ZHU et al.	
	Filing Date:	Group:

U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date
		6,196,054 B1	03/2001	Okamura et al.			
		6,199,540 B1	03/2001	Katashiba et al.			
		6,202,474 B1	03/2001	Takahashi et al.			
		6,205,844 B1	03/2001	Morita et al.			
		6,211,680 B1	04/2001	Hohner et al.			
		6,213,108 B1	04/2001	Boyer et al.			
		6,216,092 B1	04/2001	Kong			
		6,216,530 B1	04/2001	Shimizu et al.			
		6,222,368 B1	04/2001	Inagaki et al.			
		6,223,735 B1	05/2001	Poggio et al.			
		6,234,146 B1	05/2001	Tanaya et al.			
		6,246,952 B1	06/2001	Honda			
		6,263,727 B1	07/2001	Butler, Jr.			
		6,275,041 B1	08/2001	Okamura et al.			
		6,278,932 B1	08/2001	Baumel et al.			
		6,279,538 B1	08/2001	Herweg et al.			
		6,281,682 B1	08/2001	Kameda et al.			
		6,298,823 B1	10/2001	Takahashi et al.			
		6,298,837 B1	10/2001	Ketterer et al.			
		6,328,016 B1	12/2001	Takahashi et al.			
		6,334,353 B1	01/2002	Nobe et al.			
		6,336,355 B1	01/2002	Sasaki et al.			
		6,338,267 B1	01/2002	Karau			

Examiner:	Date Considered:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	

U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date
		6,343,499 B1	02/2002	Inagaki et al.			
		6,343,500 B1	02/2002	Katogi et al.			
		6,348,797 B1	02/2002	Shimizu et al.			
		6,348,799 B1	02/2002	Herweg et al.			
		6,357,426 B1	03/2002	Schleupen			
		6,360,587 B1	03/2002	Noel			
		6,453,733 B1	09/2002	Malaczynski et al.			
Other							
		Pending US Patent Application No. 10/458,716, filed 06/2003, entitled "A Method of Detecting Cylinder ID Using In-Cylinder Ionization for Spark Detection Following Partial Coil-Charging" by Daniels et al. (63 pages w/ 54 pages of drawings).					

DC 46107-91 86844

Form PTO-A820
(also form PTO-1449)